HAND DELIVERED

FEB 2 5 2010

UTAH DIVISION OF SOLID & HAZARDOUS WASTE 2010.00900

ANNUAL REPORTS For Calendar Year 2009

Class I Landfill and Composting Facility



Bountiful Sanitary Landfill Bountiful, Utah



BOUNTIFUL

City of Beautiful Homes and Gardens

JOE L. JOHNSON MAYOR

CITY COUNCIL
BETH HOLBROOK
JOHN MARC KNIGHT
R. FRED MOSS
SCOTT C. MYERS
TOM TOLMAN

CITY MANAGER TOM HARDY

HAND DELIVERED

February 24, 2010

Dennis R. Downs, Director Division of Solid and Hazardous Waste P. O. Box 144880 Salt Lake City, Utah 84114-4880 FEB 2 5 2010

SOLID & HAZARDOUS WASTE 2010.00900

Subject:

Solid Waste Landfill Annual Report (For Calendar Year 2008)

Solid Waste Compost Facility Annual Report (For Calendar Year 2008)

Dear Mr. Downs

Enclosed are completed "Solid Waste Landfill Facility Annual Report" and "Solid Waste Compost Annual Report" forms for 2009 from the Bountiful Sanitary Landfill. The items listed under the "Other Required Reports" section of the landfill annual report are also contained.

The enclosures include the results of our 2009 landfill gas monitoring activities, training and certifications for facility personnel, and our most recent groundwater monitoring results. A statistical analysis report of the groundwater data is also included, which shows that arsenic exceeds the groundwater protection standard. We will soon propose a plan to demonstrate that the presence of arsenic down-gradient of the landfill is due to a source other than the landfill, such as a natural occurrence.

In the SOLID WASTE LANDFILL ANNUAL REPORT under the heading "Conversion Factor Used", we used a site-specific conversion factor for **residential** municipal waste being accepted. A typical pick-up truck load or a load on a single axle trailer is 0.4 tons. This is based on site specific averages calculated by weighing representative loads and determining that this conversion appropriately estimates the weight of the loads. The same procedure was used for a one ton truck (or double axle trailer) load. We use 0.6 tons for these loads. All other loads are weighed individually.

If you have any questions, or require additional information, please feel free to contact the Engineering Department.

Sincerely,

BOUNTIFUL CITY ENGINEERING DEPT.

Todd Christensen, P.E.

Staff Engineer

Enclosures as stated

SOLID WASTE LANDFILL ANNUAL REPORT

For Calendar year 2009

Administra	tive Information (Plea	ase enter all the information r	equested below - type or print le	egibly)	
	lity Name: Bountiful				
Faci	lity Mailing Address:_	790 South 100 East (Number & Street, Box and/or	r Pouto)		
	City: Bountiful		Zip Code: <u>84010</u>		
			Permit No.: 9426R1		
	-				
Own					
			ne No.:(801)298-6125		
	Mailing Address:	/90 South 100 East (Number & Street, Box and/or	· Route)		
	City: Bountiful	State:Utah	Zip Code: 84010		
	Contact's Name: T	odd Christensen T	itle: Engineer	···-	
	Contact's Mailing A	Address: 790 South 100) East		
	Phone No.:(801)29	8-6125Contact's En	nail Address: <u>toddc@bou</u>	<u>ntifuluta</u>	h.gov
Oper	rator (Complete this section on	ly if the operator is not an employe	e of the Owner shown above)		
	Name:	Pho	ne No.:(<u>)</u>		
	Mailing Address:_	(Number & Street, Box and/or			
	City	(Number & Street, Box and/or	Route)		
	City:	State:	Zip Code:		
	Contact's Mailing		iuc		
	Phone No ·()	Contact's En	nail Address:		
	1 none 1 (0 <u>(</u>				
Facility Ty	pe and Status				
	⊠ Class I	Class IIIb	Class V		
	Class II	Class IVa	Class VI		
	Class IIIa	Class IVb			
Easi	lity anarotas sanarata s	valla for C/D and munic	ipal waste. Yes	7 .	r. 🔽
	• •		enter date closed:		40 M
11 10	ciffly was permanently	closed during the year	citici date closed		
Annual Dis	mosal				
IIIIIIII DIS	pusar				
Tota	l tons received at facil	ity for disposal:			
Waste Type	,	Waste Origin	Total		ırement
	In-State	Out-of-State		Tons	Cubic
Municipal	31,667	0	31,667		Yards
Industrial	0	0	0	_ 🛛	
C/D ¹	18,018	0	18,018		
¹C/D v	vaste includes all waste going to a	Class IV or VI landfill cell			
Conversion	Factor Used				
	None From rules	X Site Specific Conv	rersion (please list): 0.4 Tons 1	or a pick-	
		Tons for a one ton truck of		<u> </u>	<u>~ r-</u>

	Material Recycled: 663 Tons Cubic Yds. (Material recycled should not be included in disposed tons reported. Report compost on separate form. Circle tons or yards)
tah	Disposal Fee
	Disposal Fee Required to be Paid to State Yes No (If yes please show fees paid below)
	Municipal \$ C/D \$
	Industrial \$ Annual \$3,850.00
	(Municipal, Industrial and C/D are fees paid by Commercial Facilities. Annual fee is paid by facilities operated by a municipality)
and	fill Capacity
	Current Landfill Remaining Capacity
	Tons: Cubic Yards:
	Years:40 Acres:
	10000
	Acres Currently Open: 101 Acres Currently Closed: 0
nan	ncial Assurance
the	Current Post-Closure Cost Estimate: \$888,800 Current Amount or Balance in Mechanism: \$2,018,761 (If facility permit has been renewed if balance does not equal or exceed total for closure and post-closure care please contact the Division) Current Financial Assurance Mechanism: Trust Fund (ie. Bond, Trust Fund, Corporate or government Test etc.) Mechanism Holder and Account Number: PTIF Account No.: 0973 (ie. Name of Bond Company, Bank etc. Account number) Financial Assurance: Each facility must recalculate the cost of closure and post-closure care to account for inflation and design changes each year. The inflation factor can be found on the Division web page. Facilities that are using a trust account should include a copy of the most recent account statement. Note Facilities using "Local Government Financial Test" or the "Corporate Financial Test" must provide the information required in R315-309-8(4) or R315-309-9(3) each year.
	Ground Water Monitoring: Class I and V landfills only. Check if exempt
	Explosive Gas Monitoring: Class I, II and V landfills only. Check if exempt
	<u>Training Report:</u> A report of all training programs or procedures completed by facility personnel during the year.
	Does the facility have a landfill gas collection system Yes No If yes please briefly describe use of
	gas, e.g., flared or used for electricity generation.
en a	gas, e.g., flared or used for electricity generation. Date: 2/24/10

SOLID WASTE COMPOST FACILITY ANNUAL REPORT

For Calendar year 2009

Administrative Information (Please enter all the information requested below - type or print legibly)			
Facility Name: Bountiful Sanitary Landfill			
Facility Mailing Address: 790 South 100 East			
(Number & Street, Box and/or Route)			
City: Bountiful Zip Code: 84010			
County: Davis			
Owner			
Name: Bountiful City Corp. Phone No.:(801)298-6125			
Mailing Address: 790 South 100 East			
(Number & Street, Box and/or Route)			
City: Bountiful State: Utah Zip Code: 84010 Contact's Name: Todd Christensen Title: Engineer			
Contact's Mailing Address: 790 South 100 East Phone No. (201) 202 6125 Contact's Free! Address to dd. (2) our tiful to be accepted to the contact of the co			
Phone No.: (801)298-6125 Contact's Email Address: toddc@bountifulutah.gov			
Operator (Complete this section only if the operator is not an employee of the Owner shown above)			
Name: Phone No.:()			
Mailing Address: (Number & Street, Box and/or Route)			
(Number & Street, Box and/or Route) City: State: Zin Code:			
City: Zip Code: Contact's Name:Title:			
Contact's Mailing Address:			
Phone No.:() Contact's Email Address:			
Facility Status			
Currently in Operation Closed - Date: (The "Closed - Date is the date that all material was removed from the site)			
(The "Closed - Dale" is the dale that all material was removed from the site)			
Annual Totals			
Waste received in reporting period: 7924			
Due due transported 1122			
Product removed: 4123			
Has facility operated according to approved plan of operation X Yes No			
If no please contact the Solid Waste Section at 801/538-6170			
Signature: Nomes R. Handy Date: 2/24/10			
Signature: Date: 2/24/10 Signature should be by an executive officer, general partner, proprietor, elected official, or a duly authorized representative. A duly authorized			
representative must meet the requirements of the solid waste rules (UAC R315-310-2(4)(d)).			
V			
Print name: Thomas R. Hardy Title: City Manager			

2009 Bountiful Sanitary Landfill Closure/Post Closure Cost Estimates

Landfill Information		
Description	Quantity	Units
Total Permitted Area	100	acres
Active Portion (Soil Lined)	50	acres
Area of Largest Cell Requiring Final Cap	50	acres
Perimeter Fencing	7600	linear feet
Groundwater Monitoring Wells	327	VLF
Average Daily Flow	120	tons/day
Landfill Disposal Cost	25	\$/ton
Price Adjustment	1 164	

1.164 (Origional Unit Costs are for end of 2004)

Closure Cost Estimate

Task/Service	Quantity	Units	Multiplier	Unit Cost	Subtotal
Preliminary Site Work	_		-		
Conduct Site Evaluation	1	Lump Sum	1	\$2,892.19	\$3,366.53
Dispose Final Waste	120	tons/day	5	\$21.00	\$14,666.48
Remove Temporary Buildings	1	Lump Sum	1	\$2,577.12	\$2,999.78
Remove Equipment	1	Lump Sum	1	\$2,103.50	\$2,448.49
Repair/Replace Perimeter Fencing	7600	linear feet	0.25	\$2.32	\$5,130.94
Monitoring Equipment					
Rework/Replace Monitoring Wells	327	VLF	0.25	\$43.54	\$4,143.16
Plug Abandoned Monitoring Wells	327	VLF	0.25	\$18.67	\$1,776.59
Construction					
Complete Site Grading	50	acres	1	\$1,179.93	\$68,672.29
Construct/Compact Clay Final Cap	121000	cubic yards	1	\$3.36	\$473,238.37
Place On-Site Topsoil	100883	cubic yards	1	\$1.58	\$185,536.93
Establish Vegetative Cover	50	acres	1	\$421.11	\$24,508.73
SUBTOTAL					
Administrative Services	1	Lump Sum	0.1	\$675,673.62	\$78,648.83
Technical and Professional Services	1	Lump Sum	0.12	\$675,673.62	\$94,378.60
Closure Contingency	1	Lump Sum	0.1	\$675,673.62	\$78,648.83
TOTAL FINAL CLOSURE					\$1.038,164,55

Post-Closure Cost Estimate

Task/Service	Quantity	Units	Multiplier	Unit Cost	Subtotal
Site Maintenance			•		
Site Inspections	4	per year	30	\$526.13	\$73,490.23
General Maintenance	1	per year	30	\$1,577.37	\$55,082.05
Monitoring Equipment					
Rework/Replace Monitoring Wells	327	VLF	0.25	\$43.54	\$4,143.16
Plug Abandoned Monitoring Wells	327	VLF	0.25	\$18.67	\$1,776.59
Final Plugging of Monitoring Wells	327	VLF	1	\$18.67	\$7,106.36
Final Plugging of Piezometers	300	VLF	1	\$14.73	\$5,143.74
Sampling and Analysis					
Groundwater Monitoring	30	Years	1	\$16,000.00	\$558,722.99
Final Cover Maintenance					
Repair Erosion, Settlement & Subsidence	100	acres	30	\$2.10	\$7,333.24
Reseed Vegetative Cover	100	acres	0.2	\$421.11	\$9,803.49
SUBTOTAL					\$722,601.86
Administrative Services	1	Lump Sum	0.06	\$620,788.66	\$43,356.11
Technical and Professional Services	1	Lump Sum	0.07	\$620,788.66	\$50,582.13
Post-Closure Contingency	1	Lump Sum	0.1	\$620,788.66	\$72,260.19
TOTAL POST-CLOSURE				•	\$888,800.29

Total Closure plus Post Closure Estimate

\$1,926,964.84

STATEMENT OF ACCOUNT

PTIF

UTAH PUBLIC TREASURERS' INVESTMENT FUND

Richard K. Ellis, Utah State Treasurer, Fund Manager
PO Box 142315
350 N State Street, Suite 180
Salt Lake City, Utah 84114-2315
Local Call (801) 538-1042 Toll Free (800) 395-7665
www.treasurer.utah.gov

ESC-BOUNTIFUL CITY SAN LAND MARK MCRAE PO BOX 140102 SALT LAKE CITY UT 84114-0102

Account Acco				
973		December 01, 2009 th	rough December 31, 2009	
Summary				
Beginning Balance	\$ 2,017,688.89	Average Daily Balance	\$ 2,017,688.89	
Deposits	\$ 1,072.02	Interest Earned	\$ 1,072.02	
Withdrawals	\$ 0.00	360 Day Rate	0.6170	
Ending Balance	\$ 2,018,760.91	365 Day Rate	0.6256	

Date	Activity	Deposits	Withdrawals	Balance
12/01/2009	FORWARD BALANCE	\$ 0.00	\$ 0.00	\$ 2,017,688.89
12/31/2009	REINVESTMENT	\$ 1,072.02	\$ 0.00	\$ 2,018,760.91
12/31/2009	ENDING BALANCE	\$ 0.00	\$ 0.00	\$ 2,018,760.91

Explosive Gas

Monitoring

METHANE GAS MONITORING

Snew on Ground

DATE: 1/15/09 30-35 Calm

Pagarian	METHANE ONGENTRATION(%)	PRICESUREON ER EXPEOSIVE LIVITE (% LEE)
Office	Ø	
Office news	Ø	-
Shop/	Ø	
ShopS	0	
Scale House	\otimes	
North Boundary	Ø	
South Boundary	Ø	
East Boundary	Ø	
West Boundary	Ø	
Well DC-1	Ø	
Well DC-2	Ø	
Well DC-3	29,0	
Well DC-4	10,5	
Well JMM-1	Ø	
Well JMM-2	Ø	
Well JMM-3	Ø	
Well JMM-4	g .	
Well JMM-5	8	
Well JMM-6	ϕ	
Well JMM-7	Ø	
Well JMM-8	8	
Well BSL-1	A M	
Well BSL-2	Cont	
Well BSL-3	Cherryl unable	7

QUARTERLY INSPECTION REPORT

Methane Monitoring System **Equipment Calibration Equipment Operation** Other **Groundwater Monitoring System** Locks **Protective Covers Guard Posts** Other Operations Waste Placement and Compaction Litter Control **Perimeter Fences** Intermediate Cover Final Cover **Runoff Control and Retention Berm Condition** Transport Ditch Condition Topsoil and Vegetation condition **Erosion Concerns** Other Deviations from approved plan of operation Other Comments

METHANE GAS MONITORING

DATE: 3-17-09

500 Sunny

'	•	<u>sealm</u>
E E	MEDIANE ONGENTHARION (%)	PERSONNE DIVIDINALED
Office m B	- ()*	
Office BreckRoom	0	
Shop Anth Bay	0	
Shop		
Scale House	U	
North Boundary	0	
South Boundary	()	
East Boundary	0	
West Boundary	0	
Well DC-1	0	
Well DC-2	$\overline{}$	
Well DC-3	245	
Well DC-4	8.6	
Well JMM-1	0	
Well JMM-2	0	
Well JMM-3	0	
Well JMM-4	C	
Well JMM-5	0	
Well JMM-6	0	
Well JMM-7	0	
Well JMM-8	0	
Well-BSL-1	NA O	
Well BSL-2	6	
Well BSL-3	Ò	

QUARTERLY INSPECTION REPORT

DATE: 3-17-09

Methane Monitoring System	
Equipment Calibration	
Equipment Operation	
Other	
Groundwater Monitoring System	
Locks	V
Protective Covers	
Guard Posts	V
Other	
-	
Operations	
Waste Placement and Compaction	
Litter Control	V
Perimeter Fences	
Intermediate Cover	
Final Cover	\vee
Runoff Control and Retention	
Berm Condition	
Transport Ditch Condition	V,
Topsoil and Vegetation condition	
Erosion Concerns	
Other	
Deviations from approved plan of o	pperation
\	
<u> </u>	
Other Comments	
	<u> </u>

METHANE GAS MONITORING

DATE: 4-13-09

	METHANT GNOTATED TV	PERCENTALOWER EXPLOSIVE LIMIT (MAREL)
Office Break Room		SPACENTAL LAW (/FEEL)
Office w. Rathroom	0	
Shop	\bigcirc	
Shop	\circ	
Scale House	0	
North Boundary	0	
South Boundary	Ó	
East Boundary	6	
West Boundary	0	
Well DC-1	× 1	
Well DC-2	0	
Well DC-3	210	
Well DC-4	- So.	
Well JMM-1	N/A	
Well JMM-2	0,	
Well JMM-3	D	
Well JMM-4	NX	
Well JMM-5	0	
Well JMM-6	0	
Well JMM-7	0	
Well JMM-8	ð ·	
Well BSL-1	NA	
Well BSL-2	IVA	
Well BSL-3	I NA	

QUARTERLY INSPECTION REPORT

DATE: 4-13-09 **Methane Monitoring System Equipment Calibration Equipment Operation** Other **Groundwater Monitoring System** Protective Covers **Guard Posts** Other Operations Waste Placement and Compaction Litter Control Perimeter Fences L Intermediate Cover V Final Cover **Runoff Control and Retention** Berm Condition Transport Ditch Condition Topsoil and Vegetation condition is **Erosion Concerns** Other Deviations from approved plan of operation **Other Comments**

METHANE GAS MONITORING

DATE: 05-04-09

_		
Barataan e a	***************************************	PERCENDEOVER EXPEOSIVE LIMITATIVEED
Office	0%	
Office	00%	
Shop	0%	
Shop	0%	
Scale House	0%	
North Boundary		
South Boundary		
East Boundary		
West Boundary		
Well DC-1	6.6%	
Well DC-2	6.6%	
Well DC-3	25%	
Well DC-4	20%	
Well JMM-1	0%	
Well JMM-2	0%	
Well JMM-3	0%	
Well JMM-4	Not access ible/debrisquate	è
Well JMM-5	/	
Well JMM-6	- 0%	
Well JMM-7	1.70	
Well JMM-8	0%	
Well BSL-1		
Well BSL-2	0%	\
Well BSL-3	0%	

QUARTERLY INSPECTION REPORT

	DATE:
Methane Monitoring System	
Equipment Calibration	V
Equipment Operation	
Other	
Groundwater Monitoring System	
Locks	7MM 5 needs teplacing
Protective Covers	V Julian Character of the Control of
Guard Posts	
Other	
	<u></u>
Operations	
Waste Placement and Compaction	
Litter Control	
Perimeter Fences	
Intermediate Cover	
Final Cover	
Final Cover	
Runoff Control and Retention	
Berm Condition	
Transport Ditch Condition	
Topsoil and Vegetation condition	
Erosion Concerns	
Other	
Other	
L	
Deviations from approved plan of o	
Deviations from approved plan of c	
	None
!	
011 - 10 - 1114	
Other Comments	
<u> </u>	

METHANE GAS MONITORING

DATE: 06-09-09

Lacunion ***	METHANE (DNCENTRATIONIVAL)	FERGENIEGVER EXPLOSIVE LIVER ("ALEL)
Office	0%	
Office	0%	
Shop	0%	
Shop	0%	
Scale House	6 76	
North Boundary	0%	
South Boundary	0%	
East Boundary	0%	· ·
West Boundary	0%	
Well DC-1	No access rane to road on other repair (temperary)	
Well DC-2	0%	
Well DC-3	33.0%	
Well DC-4	26,5%	
Well JMM-1	0%	
Well JMM-2	0%	
Well JMM-3	0%	
Well JMM-4	(under water)	
Well JMM-5	0%	
Well JMM-6	2.3 %	
Well JMM-7	0%	
Well JMM-8	0%	
Well BSL-1	(3)	
Well BSL-2	0%	
Well BSL-3	0%	

QUARTERLY INSPECTION REPORT

	DATE:
Methane Monitoring System	<u> </u>
Equipment Calibration	
Equipment Operation	
Other	
Groundwater Monitoring System	
Locks	
Protective Covers	
Guard Posts	
Other	
Other -	
<u> </u>	
- "	
Operations	
Waste Placement and Compaction	
Litter Control	
Perimeter Fences	
Intermediate Cover	
Final Cover	
Runoff Control and Retention	
Berm Condition	
Transport Ditch Condition	
Topsoil and Vegetation condition	
Erosion Concerns	
Other	
Deviations from approved plan of o	pperation
1	
Other Comments	
Other Comments	
-	
	<u> </u>

METHANE GAS MONITORING

DATE: 07-66-69

Cledry Sanny

	1 Creary sanny
MEHIANE 18 CONCENTRATION (%)	PERCENT LONDER EXPROSIVE LIMITIVALED
. Ø	
Ø	·
Ø	
8	
ø	
Ø	
Ø	
Ø	
Ø	
Ø	
60,0	
24.5	
Ø	
Ø	
Ø	
Ø	
Ø	
Ø	
Ø	
Ø	
Ø	
Ø	
Ø	
	### STEEL ST

QUARTERLY INSPECTION REPORT

DATE: 07-06-09

Methane Monitoring System	
Equipment Calibration	<i>1</i>
Equipment Operation	V
Other	
Groundwater Monitoring System	
Locks	
Protective Covers	V
Guard Posts	V
Other	V
•	
Operations	
Waste Placement and Compaction	V
Litter Control	L
Perimeter Fences	V
Intermediate Cover	ν
Final Cover	u
Runoff Control and Retention	
Berm Condition	
Transport Ditch Condition	
Topsoil and Vegetation condition	v
Erosion Concerns	V
Other	ν
Deviations from approved plan of o	pperation
<u> </u>	
Other Comments	
	<u></u>
L	

METHANE GAS MONITORING

DATE: 08-24-09

Syrvila

Linearign, et agrassi		PERCENTALION ER EXPEGSIVE DIMITI (NIEL)
Office		
Office	_ Ø	
Shop	. 8	
Shop	. Ø	
Scale House	Ø	
North Boundary	Ø	
South Boundary	Ø	
East Boundary	e	·
West Boundary	8	
Well DC-1	Ø	
Well DC-2	Ø	
Well DC-3	38,5	
Well DC-4	22.0	
Well JMM-1	Ø	
Well JMM-2	Ø	
Well JMM-3	Ø	
Well JMM-4		
Well JMM-5	Ø	
Well JMM-6	0	
Well JMM-7	/5.3	
Well JMM-8	Ø	
Well BSL-I	X	
Well BSL-2	Ø	
Well BSL-3	Ø	

QUARTERLY INSPECTION REPORT

DATE: 08-24-09

ane Monitoring System Equipment Calibration	AK		
		<u> </u>	
Equipment Operation Other	<u> </u>		
<u> </u>			
			
undwater Monitoring System	O.K		
Locks	O K		
Protective Covers	0K		
Guard Posts	UA		
Other -	· · · · · · · · · · · · · · · · · · ·		
			
rations	0.17		
Vaste Placement and Compaction	<u>ok</u>		
Litter Control	<u>OK</u>		
Perimeter Fences	OK_		
Intermediate Cover	OK.	·	
Final Cover	<u> </u>		
unoff Control and Retention			
Berm Condition	OK		
Transport Ditch Condition	OK		
Topsoil and Vegetation condition	OK		
Erosion Concerns	OK		
Other			
······································			
riations from approved plan of op	eration		
1			
1			
ther Comments			
	<u> </u>		· · · · · · ·

METHANE GAS MONITORING

DATE: October 36,2007

•		•
Location Con-	TETRANE TO SECOND	PREFATEONER EXPENSIVE LIBITOR, LELD
Office	OK	
Office	OK	
Shop	ok	·
Shop	ok	
Scale House	· 0'K	
North Boundary	uK	
South Boundary	oK	
East Boundary	'ok	
West Boundary	OK	
Well DC-1	Ø	
Well DC-2	Ø	
Well DC-3	36.0	
Well DC-4	9.2	
Well JMM-1	Ø	
Well JMM-2	Ø	
Well JMM-3	Ø	
Well JMM-4	27.5.	
Well JMM-5	10.	
Well JMM-6	1.0 .	
Well JMM-7	Ø	
Well JMM-8	Ø	
Well BSL-1	X	
Well BSL-2	Ø	
Well BSL-3	Ø	

QUARTERLY INSPECTION REPORT

	DAIE:
Methane Monitoring System	
Equipment Calibration	
Equipment Operation	
Other_	
Groundwater Monitoring System	
Locks	
Protective Covers	
Guard Posts	
Other	
÷	
Operations	-
Waste Placement and Compaction	
Litter Control	
Perimeter Fences	
Intermediate Cover	
Final Cover	
Runoff Control and Retention	
Berm Condition	
Transport Ditch Condition	
Topsoil and Vegetation condition	
Erosion Concerns	
Other .	
Deviations from approved plan of c	pperation
ļ ,	
Other Comments	

METHANE GAS MONITORING

DATE: Dec. 22, 2009

	·	
Encircular Control	AMEDICANE A CATALONICA CONCENTRATION (%)	PERCENTICONERS EXPROSIVE DIMITORILES
Office	_	
Office	_ OK	
Shop	- ok	·
Shop	- 6K	
Scale House	ĊK .	
North Boundary	Ø	
South Boundary	Ø	
East Boundary	Ø	
West Boundary	Ø	
Well DC-1	Ø	
Well DC-2	Ø	
Well DC-3	22.5	
Well DC-4	8,2	
Well JMM-1	Ø	
Well JMM-2	ø	
Well JMM-3	Ø	
Well JMM-4	26.0	
Well JMM-5	5,0	
Well JMM-6	Surprise O	
Well JMM-7	Ø'	
Well JMM-8	ϕ	
Well BSL-1	\downarrow	
Well BSL-2	Ø	
Well BSL-3	Ø	

QUARTERLY INSPECTION REPORT

DATE:	
thane Monitoring System	
Equipment Calibration	
Equipment Operation	
Other	
roundwater Monitoring System	
Locks	
Protective Covers	V
Guard Posts	V
Other	Castiran cane need space cleared
÷	for removal & replacement when testing
Operations	
Waste Placement and Compaction	
Litter Control	
Perimeter Fences	
Intermediate Cover	
Final Cover	
Time Gover	
Runoff Control and Retention	
Berm Condition	1-xcolloc+ 11
Transport Ditch Condition	
Topsoil and Vegetation condition	
Erosion Concerns	
Other	
Deviations from approved plan of o	
	none
-	
Other Comments	
·	
######################################	<u> </u>
	1

Training Report



SWANA CERTIFIED PROFESSIONAL

This is to certify that

Jim Wood

has met the Solid Waste Association of North America's eligibility requirements and passed a comprehensive examination. Therefore SWANA hereby designates Jim Wood as a:

Certified Landfill Manager

As of 09/22/2004 until 09/22/2010

Certification No. 60517

John A. Skinner

Executive Director and CEO

John A Stemmer



SWANA CERTIFIED PROFESSIONAL

This is to certify that

Gary Blowers

has met the Solid Waste Association of North America's eligibility requirements and passed a comprehensive examination. Therefore SWANA hereby designates Gary Blowers as a:

Certified Landfill Manager

As of 04/21/2005 until 04/21/2011

Certification No. 81500

John A. Skinner

Executive Director and CEO

John A Steiner



SWANA GERTIFIED PROFESSIONAL

This is to certify that

Todd-Christensen

has met the Solid Waste Association of North America's eligibility requirements and passed a comprehensive examination. Therefore SWANA hereby designates Todd Christensen as a:

Certified Landfill Technical Associate

Certification No. 833

John A. Skinner

Executive Director and CEO

Folia A Striner



SWANA CERTIFICATION PROGRAM

Continuing Education Unit (CEU) Report Form

WASTE(ON 2008 • Tampa, Florida • October 19-23, 2008

NAME Todd Christens	enSWANA MEMBER ID	83395
ORGANIZATION Boundiful C		
ADDRESS 790 S 100 E		
CITY Bount: ful		
PHONE 801 298-6125	FAX 801 298 6033	E-MAIL todde @ bount: ful utzh. gov
Current Certifications Held:	Bioreactor X Landfill	Recycling Composting
Collection Transfer S	Station Construction & Dem	olition MSW Systems
Obtain a signature for each session	ned by a representative of this on you attend by a course/seminar/syn	mposium representative at the end of

Must attend the entire day to receive contact hours!

Instuctor/ Staff Initials

COLL COMP C&D MSW RECYC TS BIO Manager of Bioreactor Landfills 10 10 10 20 15 10 10 20 Management of Landfill 10 10 10 30 10 10 10 15 Operations (MOLO) Managing Construction and 15 10 30 15 15 10 10 10 Demolition Materials Managing MSW Transfer Stations 10 10 10 10 10 10 30 10 Principles of Management in 10 10 10 10 30 10 10 10 MSW Systems Managing MSW Collection 10 10 10 15 10 10 30 10 Systems Managing Composting Programs 10 10 10 10 15 10 10 HHW & CESQG Facility 15 15 15 15 15 15 15 Operations andfill Gas System Operation 5 5 5 10 and Maintenance Renewable Energy Credits and 5 CEUs--Available for ALL Certification Greenhouse Gas Offsets 101 5 CEUs--Available for ALL Certification 5 CEUs--Available for ALL Certification 5 CEUs--Available for ALL Certification Thursday Conference Sessions 5 CEUs--Available for ALL Certification Facility Tours 5 CEUs--Available for ALL Certification

Mail or fax this completed form to the Certification Coordinator at P.O. Box 7219, Silver Spring, Maryland 20907-7219; fax (301) 589-7068. If you have any questions, please call 1-800 GO SWANA or email cert@swana.org. Visit our homepage at www.SWANA.org.

IMPORTANT - PLEASE READ

You may apply for recertification upon completion of your 30 hours of continuing education in order to recertify you will need to fill out a recertification application and submit it along with a recertification fee of \$200 to SWANA. To have a copy of the recertification application sent to you, please call 1-800 GO SWANA

Landfill SWPPP Employee Training

Nov 3, 2009

IN ATTENDANCE

Todd Christensen

AGENDA

Item #1 Regulations Review

Item #2 Bountiful Sanitary Landfill SWPPP Pollution Prevention Team

Item #2a Spill Response Set Suff Pg 16

Item #2b Inspections

Especially critical when near outfall Equipment OK - Maintenance, Service, Inspected

Item #2c Monitoring

Visual Monitoring - Process & Requirements
Analytical Monitoring - Process & Requirements
Most recent results

Benchmark Iron = 1.0 mg/L TSS = 100 mg/L Description

3/26/09 Iron = 3.2 mg/L TSS = 20 mg/L Light Tan; Hardly Perceptible; Translucent
4/15/09 Iron = 7.6 mg/L TSS = 210 mg/L Tan; Hardly Perceptible; Slight Translucent
9/30/09 Iron = 6.6 mg/L TSS = 170 mg/L? Light Brown, Hardly Perceptible, Slightly Translucent

Item #3 Record Keeping

John M Lover Wee's talerers Jim Wood Our Porty Gory Browers



```
Notes for Training:
   Bring (and review) SWPPP
   Pollution Prevention Team
   Manager
         Maintenance/Repairs
         Oversight
         Provide Resources
   Environmental Compliance
         Spill Follow-up
         Update SWPPP
         Site Compliance Evaluation
         Training
   Foreman
         On-Going Activities
         Monthly Inspections
         Quarterly Monitoring
            Visual (Every Year)
            Analytical (Calendar Years 2009, 2011)
   {There is overlap for Monitoring Ongoing Activities, Verifying ability to channel
   stormwater, Emergency Response}
   Liquid Spills (non-hazardous)
      5 gallon reportable limit
   Hazardous Spills or Dumping - Any Quantity
      Do Not Handle!
      Report Immediately
      Do not let driver leave
   {These are according to hazardous waste exclusion and reporting plans}
```

See the "Municipal Storm Watch DVD contents.doc" which has a checklist chart

If showing segments of Municipal Storm Watch video...